

Listing of Claims:

1. (Original) A system for simultaneous ACLR measurements comprising:
  - a down conversion system for receiving a wideband signal as an input and providing a corresponding wideband signal as an output;
  - a wideband channel having the corresponding wideband signal as an input and providing a high speed, low resolution data stream as an output;
  - a narrow band channel having the corresponding wideband signal as an input and providing a low speed, high resolution data stream as an output; and
  - means for processing the respective data streams to produce the simultaneous ACLR measurements.
2. (Original) The system as recited in claim 1 wherein the narrow band channel comprises:
  - a tunable IF frequency converter having the corresponding wideband signal as an input and providing a narrow band signal as an output; and
  - a low speed, high resolution ADC having the narrow band signal as an input and providing the low speed, high resolution data stream as an output.
3. (Original) The system as recited in claims 1 or 2 wherein the wideband channel comprises:
  - an IF frequency converter having the corresponding wideband signal as an input and providing a converted wideband signal as an output; and
  - a high speed, low resolution ADC having the converted wideband signal as an input and providing the high speed, low resolution data stream as an output.

4. (Original) The system as recited in claim 3 wherein the corresponding wideband signal input to the tunable IF frequency converter comprises the converted wideband signal.

5. (Original) The system as recited in claims 1 or 2 wherein the wideband channel comprises a high speed, low resolution ADC having the corresponding wideband signal as an input and providing the high speed, low resolution data stream as an output.